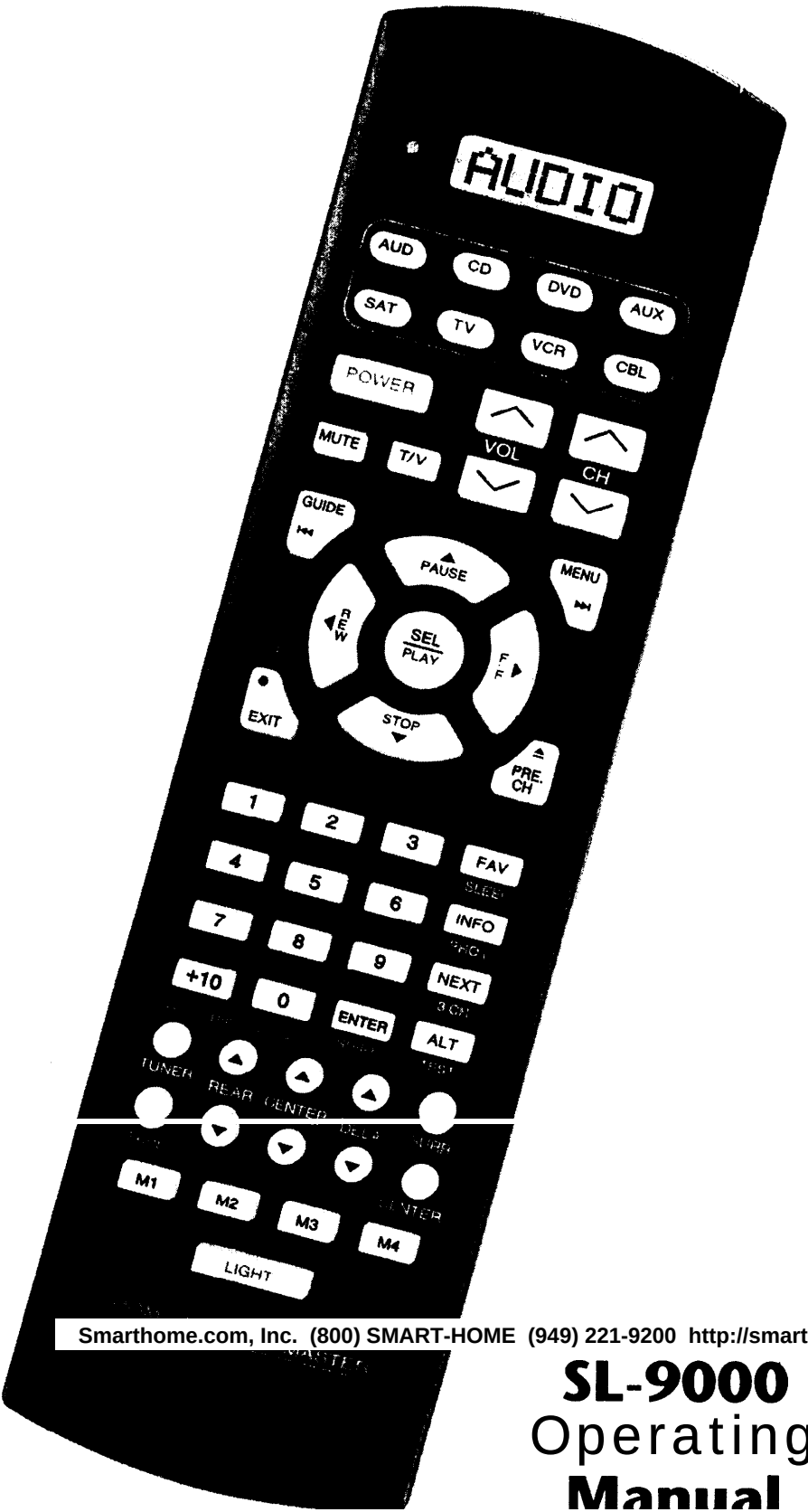
# Home Theater Master
## Preprogrammed & Learning Remote Control

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**SL-9000**

Operating

**Manual**

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# Introduction

The Home Theater Master ***SL-9000*** remote control is preprogrammed to operate over 1,000 Audio and Video components so that you can set it up by simply punching in a three digit code number that matches your equipment.

The ***SL-9000*** also has the ability to learn new functions from your original remote controls, allowing you to customize the remote to your own needs and update it as you add new equipment. Please refer to page 8 - 18 for instructions on setting up the remote control.

The ***Home Theater Master SL-9000*** remote control operates up to ***eight*** different audio and video devices in your home entertainment system. They are listed below:

***1 TVs, Monitors, Video/LCD Projectors***

***2*** VCRs, ***TV/VCR combination units***

***3 Cable boxes, Internet set-tops***

***4 Satellite receivers - DSS, Primestar, Dish, DSS, C-Band***

***5 Audio receivers, Preamplifiers, Surround processors***

***6 Compact disc players, Mul &Disc changers***

***7 DVD, Laser disc players, Cassette decks***

***8 Cassette Tape Players, DAT, MiniDisc, Switchers, Lighting, Home Control Devices, and Line Doublers***

Setting up the remote control to work with your equipment is simple. The remote control also has many advanced features that can add ease and enjoyment to the operation of your home entertainment system. Please follow the instructions in this manual, and retain the manual for future reference.

For any questions or comments about this remote control, please contact Universal Remote Control, Inc., 271 North Avenue, New Rochelle, NY 10801, or call (914) 235-2610. Service hours are 9:00 AM to 6:00 PM EST, Monday- Friday.



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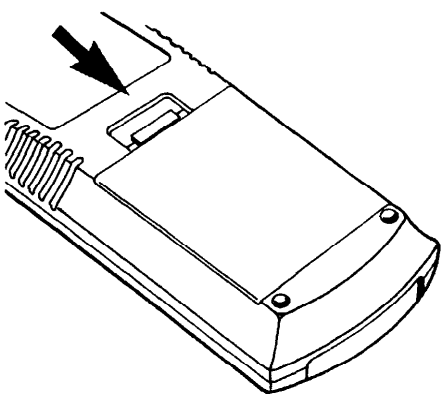
# Battery Installation

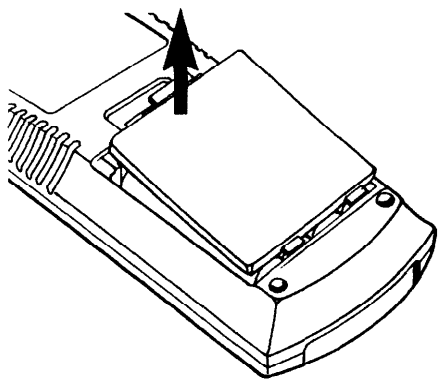
This remote control uses four AAA 1.5 V batteries. Please be sure to match the batteries with the (+) and (–) markings inside the battery compartment during installation.

## A: To Open and Close the Battery Compartment Cover

1 To open the battery cover, push the latch forward toward the top of the remote control, and lift the latch up.

**2** To close the battery cover, slide the battery cover straight back in (toward the top of the remote) and push down until it "clicks" into place.





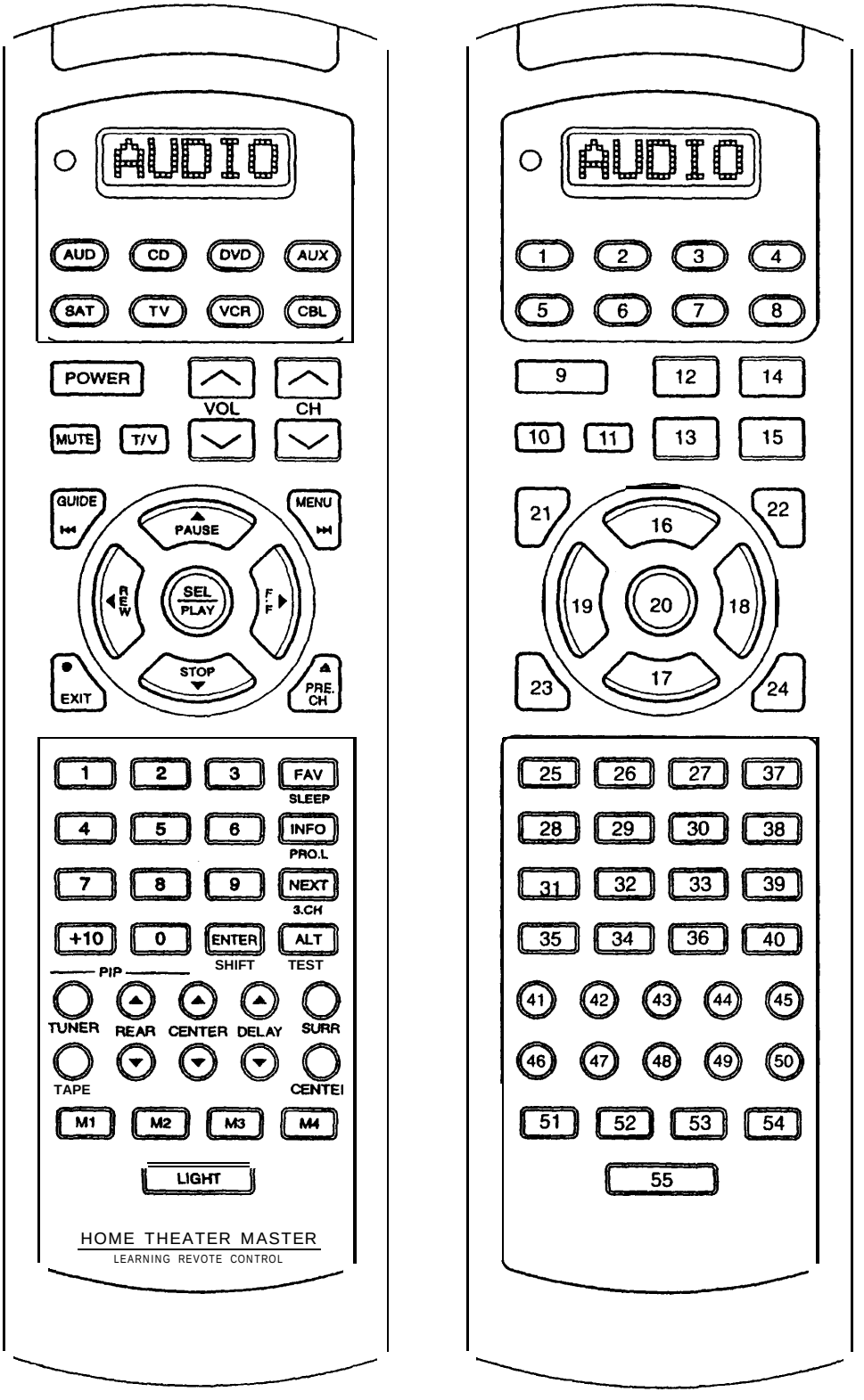
## B: Low Battery Message

When the Li uid Crystal Display (LCD) flashes L__BAT, the batteries sa ould be replaced.

*Note: Batteries should last about 6 months under normal conditions. The SL-9000 remote control will retain its programmed memory for up to one year after the batteries are removed and up to ten years after the batteries go "dead".*

# **Using** *Your Remote*

## A: Function Table Reference



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# Using Your Remote

## Function Table

| No. | Button Name | Audio Functions | SAT Functions | TV Functions |
|---|---|---|---|---|
| 1-8 | Device Name | AUDIO (ON) | SAT (ON) | TV (ON) |
| 9 | Power | On/Off (OFF) | On/Off (OFF) | On/Off (OFF) |
| 10 | Mute | Mute | Mute | Mute |
| 11 | TN Input | Band/FM | TV/SAT | TV/Video |
| 12 | VOL up | Vol up | Vol up | Vol up |
| 13 | VOL Down | Vol Down | Vol Down | Vol Down |
| 14 | CH Up | Preset + | Ch. + | Ch. Up |
| 15 | CH Down | Preset - | Ch. - | Ch. Down |
| 16 | Up/Pause | Up | Up | Up |
| 17 | Down/Stop | Down | Down | Down |
| 18 | Right/F.F. | Right | Right | Right/Picture |
| 19 | Left/Rew | Left | Left | Left/Audio |
| 20 | Sel/Play | Select | Select | Select/Enter |
| 21 | Guide/I<< | Guide | Guide | Display/Recall |
| 22 | Menu/>>I | Menu | Menu | Menu |
| 23 | Exit/Rec | Exit | Exit/Cancel | Exit/Clear |
| 24 | Pre. Ch./Eject | Prev. | Prev. Ch. | Q. View/Last Ch. |
| 25-34 | 1—0 | 1—0 | 1-O | 1-O |
| 35 | 10+ | Plus 10 | | 100/Ch. Scan |
| 36 | Enter/Shift | Shift' | Enter | Ch. Scan |
| 37 | Fav/Sleep | Sleep | Fav | Sleep |
| 38“ | Info/Pro. L. | Pro. Logic | Info/Fetch | Caption |
| 39 | Next/3 Ch. | 3 Ch. | Next Prog. | Ant |
| 40 | Alt/Test | Test Tone | Alt. Audio | Reset |
| 41 | Tuner | Tuner | | PIP On/Auto Ch. |
| 42 | Rear Up | Rear Up | | PIP Swap, Add |
| 43 | Center Up | Center Up | | PIP Freeze/Delete |
| 44 | Delay Up | Delay Up | | PIP Off/Position |
| 45 | SUIT. | SUIT. Mode | | TV/CATV |
| 46 | Tape | Tape | Rec. | Auto |
| 47 | Rear Down | Rear Down | | Add |
| 48 | Center Down | Center Down | | Delete |
| 49 | Delay Down | Delay Down | | |
| 50 | Center | Center Mode | | |
| 51 | Ml | | | |
| 52 | M2 | | | |
| 53 | M3 | | | |
| 54 | M4 | | | |
| 55 | Light | | | |



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# Using Your Remote

## Function Table

| No. | Button Name | Audio Functions | SAT Functions | TV Functions |
|---|---|---|---|---|
| 1-8 | Device Name | AUDIO (ON) | SAT (ON) | TV (ON) |
| 9 | Power | On/Off (OFF) | On/Off (OFF) | On/Off (OFF) |
| 10 | Mute | Mute | Mute | Mute |
| 11 | TN Input | Band/FM | TV/SAT | TV/Video |
| 12 | VOL up | Vol up | Vol up | Vol up |
| 13 | VOL Down | Vol Down | Vol Down | Vol Down |
| 14 | CH Up | Preset + | Ch. + | Ch. Up |
| 15 | CH Down | Preset - | Ch. - | Ch. Down |
| 16 | Up/Pause | Up | Up | Up |
| 17 | Down/Stop | Down | Down | Down |
| 18 | Right/F.F. | Right | Right | Right/Picture |
| 19 | Left/Rew | Left | Left | Left/Audio |
| 20 | Sel/Play | Select | Select | Select/Enter |
| 21 | Guide/I<< | Guide | Guide | Display/Recall |
| 22 | Menu/>>I | Menu | Menu | Menu |
| 23 | Exit/Rec | Exit | Exit/Cancel | Exit/Clear |
| 24 | Pre. Ch./Eject | Prev. | Prev. Ch. | Q. View/Last Ch. |
| 25-34 | 1—0 | 1—0 | 1-O | 1-O |
| 35 | 10+ | Plus 10 | | 100/Ch. Scan |
| 36 | Enter/Shift | Shift' | Enter | Ch. Scan |
| 37 | Fav/Sleep | Sleep | Fav | Sleep |
| 38 | Info/Pro. L. | Pm. Logic | Info/Fetch | Caption |
| 39 | Next/3 Ch. | 3 Ch. | Next Prog. | Ant |
| 40 | Alt/Test | Test Tone | Alt. Audio | Reset |
| 41 | Tuner | Tuner | | PIP On/Auto Ch. |
| 42 | Rear Up | Rear Up | | PIP Swap, Add |
| 43 | Center Up | Center Up | | PIP Freeze/Delete |
| 44 | Delay Up | Delay Up | | PIP Off/Position |
| 45 | SUIT. | Suit. Mode | | TV/CATV |
| 46 | Tape' | Tape | Rec. | Auto |
| 47 | Rear Down | Rear Down | | Add |
| 48 | Center Down | Center Down | | Delete |
| 49 | Delay Down | Delay Down | | |
| 50 | Center | Center Mode | | |
| 51 | Ml | | | |
| 52 | M2 | | | |
| 53 | M3 | | | |
| 54 | M4 | | | |
| 55 | Light | | | |



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# Using Your Remote

## Function Table

| No. | Button Name | VCR Functions | Cable Functions |
|---|---|---|---|
| 1-8 | Device Name | VCR (ON) | CABLE (ON) |
| 9 | Power | On/Off (OFF) | On/Off (OFF)) |
| 10 | Mute | Mute | Mute |
| 11 | T/V Input | VCR/TV | Switch/A/B |
| 12 | VOL up | Vol up | Vol up |
| 13 | VOL Down | Vol Down | Vol Down |
| 14 | CH Up | Ch Up | Ch Up |
| 15 | CH Down | Ch Down | Ch Down |
| 16 | Up/Pause | Pause | Up/Fine + |
| 17 | Down/Stop | stop | Down/Fine - |
| 18 | Right/F.F. | Fast Forward | Right/Fine R |
| 19 | Left/Rew | Rewind | Left/Fine L |
| 20 | Sel/Play | Play | Select |
| 21 | Guide/I<< | F. Adv./Slow< | Guide/Recall |
| 22 | Menu/>>I | X2/Intro/Slow> | Menu |
| 23 | Exit/Rec | Record | Exit |
| 24 | Pre. Ch./Eject | Eject | Prev. Ch |
| 25-34 | 1—0 | 1-O | 1—0 |
| 35 | 10+ | l-100 | */Help |
| 36 | Enter/Shift | Enter | Enter/Memory |
| 37 | Fav/Sleep | Program | Fav |
| 38 | Info/Pro. L. | Display | Info |
| 39 | Next/3 Ch. | C-Counter | PPV/Buy |
| 40 | Alt/Test | Reset | P/Delete |
| 41 | Tuner | Auto Ch | Page - |
| 42 | Rear Up | Add + | Page + |
| 43 | Center Up | Delete - | Day -. |
| 44 | Delay Up | Tape Speed | Day + |
| 45 | Surr. | VCR Plus | Record |
| 46 | Tape | Tracking + | |
| 47 | Rear Down | Tracking - | |
| 48 | Center Down | Auto Tracking | |
| 49 | Delay Down | Slow - | |
| 50 | Center | Slow + | |
| 51 | Ml | Index | |
| 52 | M2 | QTR On | |
| 53 | M3 | QTR Off | |
| 54 | M4 | Edit | |
| 55 | Light | | |



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# **Using** Your Remote

## Function Table

| No. | Button Name | CD Functions | DVD Functions | AUX Functions |
|---|---|---|---|---|
| l-8 | Device Name | CD (ON) | DVD (ON) | TAPE (ON) |
| 9 | Power | On/Off (OFF) | On/Off (OFF) | On/Off (OFF) |
| 10 | Mute | Mute/Fader | | Mute/Rec Mute |
| 11 | T/V Input | Random | | |
| 12 | VOL up | Vol up | | |
| 13 | VOL Down | Vol Down | | |
| 14 | CH Up | /Track +/Skip + | Skip >>I | |
| 15 | CH Down | /Track-/Skip - | Skip I<< | |
| 16 | Up/Pause | Pause | Pause | Pause |
| 17 | Down/Stop | stop | stop | stop |
| 18 | Right/F.F. | FF/Search + | F.F. | F.F. |
| 19 | Left/Rew | REW/Search - | REW | REW |
| 20 | Sel/Play | Play | Play | Play |
| 21 | Guide/I<< | Search - | Set Up | Deck A |
| 22 | Menu/>>I | Search + | Menu | Deck B |
| 23 | Exit/Rec | | Clear | Record |
| 24 | Pre. Ch./Eject | Eject/Intro | Open/Close | Rev. Play |
| 25-3 | 1—0 | 1-O | 1-O | |
| 35 | 10+ | Plus 10 | 10+ | Deck A |
| 36 | Enter/Shift | Disc | Enter | Deck B |
| 37 | Fav/Sleep | Program | Return | |
| 38 | Info/Pro. L. | Display | Display | |
| 39 | Next/3 Ch. | Repeat | Sub. On/Off | |
| 40 | Alt/Test | Clear | Audio | |
| 41 | Tuner | Disc 1 | UP | REW |
| 42 | Rear Up | Disc 2 | Down | For. PLAY |
| 43 | Center Up | Disc 3 | Select | F.F. |
| 44 | Delay Up | Disc 4 | Angle | stop |
| 45 | Surr. | Disc 5 | Slow | REV. Play |
| 46 | Tape | A-B | Left | Pause |
| 47 | Rear Down | Time | Right | Record |
| 48 | Center Down | Intro | Subtitle | |
| 49 | Delay Down | Edit | Repeat | |
| 50 | Center | | Random | |
| 51 | Ml | | A/B Repeat | |
| 52 | M2 | | T | |
| 53 | M3 | | Title | |
| 54 | M4 | | Memory | |
| 55 | Light | | | |



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# B: Preprogrammed Set Up

The ***Home Theater Master*** universal remote control can operate up to eight separate audio and video devices **(equipment).** To program the remote control for your devices, please use the following steps:

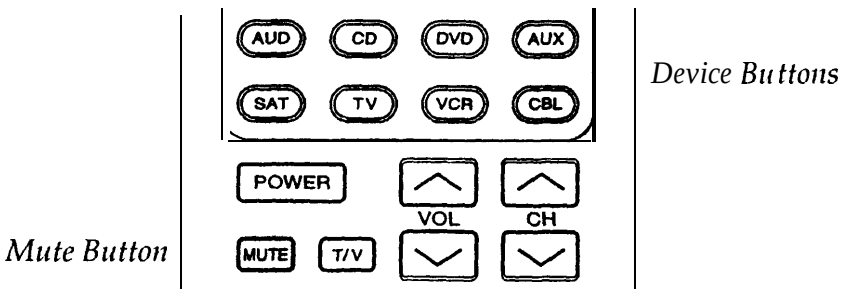
## Three Digit Code Method

1 Turn on the device you would like the remote control to operate, either manually or with your original remote control.

2 Find the three digit *Set-Up Code* number for your device from the tables on pages (38 - 55).

**Example:** To set up the remote to operate with a SONY TV, go to the TV Set-Up Code table found on pages (42 - 44) and look for SONY under the Manufacturer/Brand column. You will find that the Set-Up Code numbers for SONY TVs are 070, 085, 139 and 147.

3 Press the corresponding *Device Button* (TV, VCR, SAT, CBL, AUD, CD, DVD, or AUX) and the *MUTE* button on the remote control, simultaneously. **SET** will appear in the LCD.




**Example:** To set-up the remote to operate a TV, press the TV *Device Button* and *Mute* button, simultaneously.



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**Note:** ***SET*** *appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while* ***SET*** *appears in the LCD.*

4 Point the remote control toward the device that was turned on in Step 1 and press in the first three-digit *Set-Up Code* number for that device using the number buttons (O-9) on the remote control. **SET** followed by the number will appear in the LCD.

Your device will turn off when the correct *Set-Up Code* number has been selected. If the device does not turn off, press in the next *Set-Up Code* number from the listing. Continue to select *Set-Up Code* numbers until your device turns off, before you proceed to Step 5.

**Note:** *If you have tried all of the three digit* ***Set-Up Code*** *numbers listed* for *your device and it still did not* turn *off,* please *proceed to the* ***Auto Search Method*** *on page (10) to program your remote control.*

5 Once your device turns off, press the *Device Button* selected in Step 3 once again to store the *Set-Up Code* number. **PASS** will flash in the LCD.

**6** Test the remote control for your device. Try the *POWER, CHANNEL UP AND DOWN, VOLUME UP AND DOWN* buttons, etc. If any of the buttons do not perform as they should, please repeat the set-up from Step 1 using the next *Set-Up Code* number for your device.

**Note:** *Some audio/video devices have* separate buttons for ***POWER ON*** *and* ***POWER OFF.*** *To operate these devices on the remote, press the corresponding* ***DEVICE Button*** *to turn the equipment ON and press the* ***POWER*** *button to turn the equipment* ***OFF.***

**7** Please repeat the above steps to program the remote control for each of your other devices.



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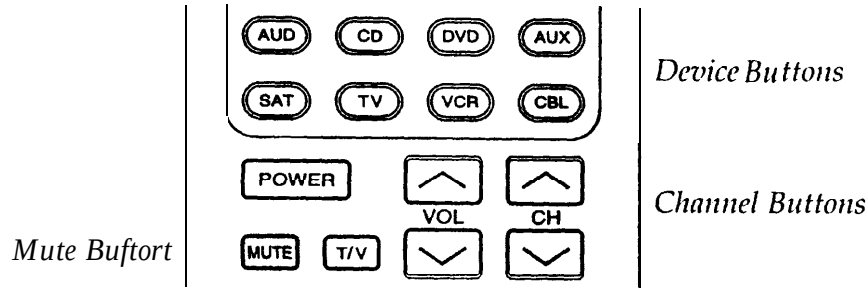
## Auto Search Method

Please use this method if none of the *Set-Up Code* numbers worked for your device during the standard set-up procedure or if the manufacturer or brand for your device is not listed in *Set-Up Code Tables.*

1 Turn on the device you would like the remote control to operate, either manually or with your original remote control.

2 Press the corresponding *Device Button* (TV, VCR, SAT, CBL, AUD, CD, DVD, or AUX) and the *MUTE* button, simultaneously. **SET** will appear in the LCD.




**Note:** ***SET*** *appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while* ***SET*** *appears in the LCD.*

3 Point the remote control toward the device and press the *CHANNEL UP* button on the remote control. Each button press sends the signal for one *Set-Up Code* number. Keeping the *CHANNEL UP* button pressed produces a quick scanning of the Set-Up *Code* numbers.

Release the *CHANNEL UP* button as soon as the device turns off. Please confirm that you have the correct code by pressing the *MUTE* button on the remote. You should be able to turn your device on and off with this button.

**If you pass the correct *Set-Up Code* number, you can return to it by pressing the *CHANNEL DOWN* button, one *Set-Up Code* number at a time, until your device turns back on.**

**Note:** *During programming, the signal for **POWER ON** and POWER **OFF** is located on the **MUTE** button. For devices that use separate POWER **ON** and **POWER OFF** buttons, pressing the **MUTE** button on the remote control during programming will only turn the device **OFF.***

**4** Once the correct code is confirmed, press the *Device Button* to store the *Set-Up Code* number. **PASS** will appear in the LCD.

**5** Test the remote control for your device. Try the *POWER, CHANNEL UP AND DOWN, VOLUME UP AND DOWN* buttons, etc. If any of the buttons do not perform as they should, please repeat the set-up from Step 1 using the next *Set-Up Code* number for your device.

**Note:** *Some audio/video devices have separate buttons for **POWER ON** and **POWER OFF.** To operate these devices on the remote, press the corresponding **DEVICE Button** to turn the equipment* **ON** *and press the POWER button to turn the equipment **OFF.***

6 Please repeat the above steps to program the remote control for each of your other devices.

# **Using** *Your Remote*

## Recalling the Set-Up Code Number

To display the three digit *Set-Up Code* number that was stored for a device.

1 Press the *Device Button* and *MUTE* button, simultaneously. **SET** will appear in the LCD.

**2** Press the *T/V* button. The LCD will quickly flash the three digit *Set-Up Code* number that was stored for your device in that mode.

**3** Please write your *Set-Up Code* numbers in the chart below, for future reference.

### Set-Up Code Numbers:

| | | | |
|---|---|---|---|
| Audio | \| \| \| \| | Cable | \| \| \| \| |
| SAT | L - L - L - I | C D | \|__\|__\|__\| |
| TV | L - L - L - J | D V D | \|__\|__\|__\| |
| VCR | \|__\|__\|__\| | **AUX** | L - L - L - I |

## C: learning Set Up

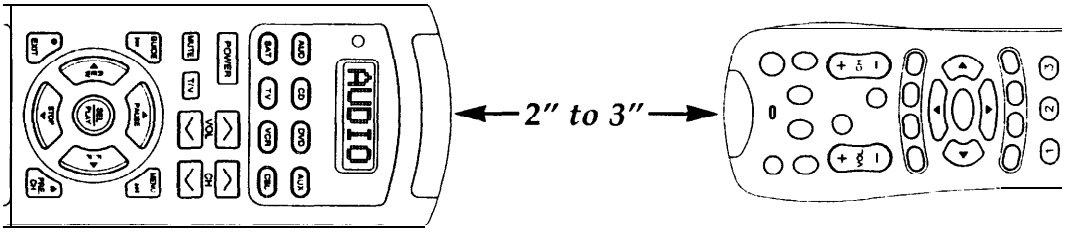
The ***Home Theater Master SL-9000*** has the ability to learn new functions from your original remote controls:

- ***There are 8 "pages,, of learning with each page corresponding to the 8 Device modes on the remote control: AUDIO, CD, DVD, AUX, SAT, TV, VCR, CBL.***
- ***All buttons in all Device modes can learn, except the LIGHT button.***
- ***The 8 Device buttons at the toy of the remote control labeled (AUD, CD, DVD, SAT, TV, VCR and CBL) learn only in the Audio mode.***
- ***Learned functions override any existing preprogrammed functions on the remote control.***
- ***Learned functions are automatically erased when a new function is learned on the same button.***
- ***Learned functions are retained even after a different three digit code number is programmed into the remote control.***
- ***To erase a learned function and return to an original preprogrammed function, please refer to the section Erasing Learned Functions (page 17).***

### **Learning** New Functions on the Main **Keypad**

**1** Select the mode in which you wish to learn the new function by pressing the corresponding Device button.

**2** Place the ***SL-9000*** and the original remote control to be learned from, on a flat surface. Line up the remote controls head to head, about 2 to 3 inches apart.




*SL-9000* *Original remote*



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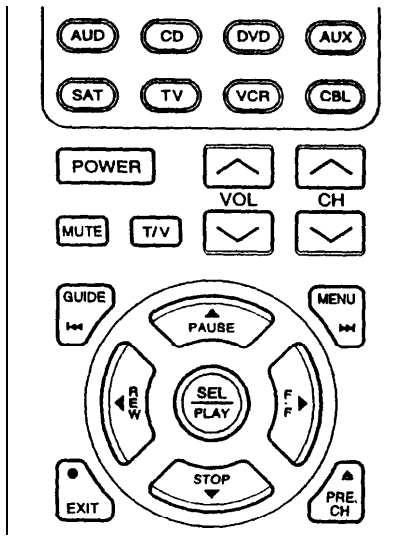
**3** Press and hold both the Device button selected in Step 1 and the SEL/PLAY button for about three seconds, until the LCD on the ***SL-9000*** shows **LEARN.** The ***SL-9000*** is now in the learning mode.




*Device Buttons*

*SELIPLAY Button*

**Note:** *Each of the following steps must be completed within 20 seconds. If the remote does not receive any new commands within the allotted time, it will return to its normal operating mode.*

**4** Press and release a button on the ***SL-9000*** you have selected to learn the new function. The LCD will show **READY.**

**5** **Press** and hold the button on the original remote control for about 3 seconds from which you are learning the new function. The LCD on the ***SL-9000*** will show **----** indicating that it is receiving the information from the original remote control.

**6** Release the button on the original remote control. The LCD on the ***SL-9000*** will show **RETRY.**

**7** Press and hold the same button on the original remote once again, for about 3 seconds. The LCD on the ***SL-9000*** will flash **GOOD,** the **Device Mode** and then return to **LEARN,** verifying that the new function has been learned.



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Repeat Steps 4 through 7 for any other buttons you wish to learn new functions.

8 Once you have completed the learning for all the desired buttons in a Device mode, store the learned functions by pressing the Device and SEL/ PLAY buttons simultaneously, once again. The LCD in the ***SL-9000*** will show **SAVED** and then return to the **Device Mode.** The remote has now returned to the original operating mode.

Once you have stored the learned functions, test the buttons that have been taught. If any of the buttons do not operate as they should, please repeat from Step 1 for those buttons.

**Note:** *If the LCD shows* ***FAIL*** at *any time during the learning process, the* ***SL-9000*** *was unable to learn the new functions. Please repeat from Step* **4.** *If the SL-9000 continues to show* ***FAIL*** *during the learning process, please try the following suggestions:*

* *Increase or decrease the head to head distance between the two remote controls, within a 1 to 5 inch range.*
* *Increase or decrease the time you press and hold the button on the original remote control in step 5, for 1 to 2 seconds.*
* *Avoid fluorescent lights or strong sunlight during the set up. These lighting conditions can cause interference with the learning process.*
* *Verify that the original remote control contains fresh batteries.*

Some remote controls operate at non-standard IR, UHF or ultrasonic frequencies, and are unable to be learned. If you continue to experience difficulty during set up, please contact our customer service department for assistance.

# Using Your Remote

## Learning New Functions on Device Buttons

The eight Device buttons at the top of the remote control can also learn new functions. These buttons can only be set up in the Audio mode. If a new function is learned on a Device button, the new function will override any existing preprogrammed information on the Device button.

1 Place the ***SL-9000*** and the original remote control to be learned from, on a flat surface. Line up the remote controls head to head, about 2 to 3 inches apart.

2 Press and hold both the Audio and SEL/ PLAY buttons simultaneously, for about three seconds, until the LCD on the ***SL-9000*** shows LEARN. The ***SL-9000*** is now in the learning mode.

**Note:** *Each of the following steps must be completed within 20 seconds. If the remote does not receive any commands within the allotted time, it will return to its normal operating mode.*

3 Press and release one of the eight Device buttons on the ***SL-9000***. The LCD will show READY.

4 Press and hold the button on the original remote control you wish to teach into the ***SL-9000,*** for about 3 seconds. The LCD on the ***SL-9000*** will show – – – – indicating that it is receiving the information from the original remote control.

5 Release the button on the original remote control. The LCD on the ***SL-9000*** will show RETRY.

6 Press and hold the same button on the original remote again, for about 3 seconds. The LCD on the ***SL-9000*** will flash **GOOD,** the **Device Mode** and then return to LEARN, verifying that the new function has been learned.

Repeat steps 3 through 6 for any other Device buttons you wish to teach new functions.

**7** Once you have completed the learning for all the desired Device buttons, store the learned functions by pressing the AUDIO and SEL / PLAY buttons simultaneously, once again. The LCD in the ***SL-9000*** will show **SAVED** and then return to the **AUDIO** mode. The remote has now returned to the original operating mode.

## Erasing Learned Functions

To erase learned functions, please refer to the following procedures:

***Erasing Individual Buttons:***

1 Press the Device button for the mode where the learned function has been stored.

2 Press and hold the Device and the SEL / PLAY buttons simultaneously, for about 3 seconds, until the LCD shows **LEARN.**

3 **Press** and release the button to be erased. The LCD will show **READY.**

4 Press the LIGHT button. The LCD will flash **ERASE, CLEAR, Device Mode** and then return to **LEARN.**

Repeat Steps 3 and 4 for any other buttons to be erased.

**5** To return to the normal operating mode, press the Device and the SEL / PLAY buttons simultaneously.

The learned functions on the selected buttons have now been erased. The preprogrammed functions for these buttons will now operate on the remote control.

# **Using** *Your Remote*

### *Erasing All Buttons in One Device Mode:*

1 Press the Device button for the mode to be erased.

2 Press and hold the Device and SEL/PLAY buttons simultaneously, for about 3 seconds, until the LCD shows **LEARN.**

3 Press and hold the Device and LIGHT buttons simultaneously, for approximately five seconds and then release the buttons. The LCD will flash **ERASE** and then alternately **CLEAR** and the **Device Mode.**

**Note:** *This procedure takes about two minutes to complete. When the LCD on the remote returns to the* ***Device Mode,*** *all the learned functions in the selected Device mode have been erased. All the buttons in that Device mode will now operate with the preprogrammed functions in that mode.*

### *Erasing All Buttons in All Device Modes*

1 Press and hold the TV Device Button and the LIGHT button simultaneously, for approximately ten seconds. The LCD will flash **ERASE** ten times, flash **CLEAR** and then return to the TV mode.

When the LCD on the remote returns to **TV,** all the learned functions in all eight Device modes have been erased. All the buttons in all Device modes will now operate with the preprogrammed functions in their respective modes.

## D: Operation

After you have programmed the remote control for your equipment, use the following procedures to operate your home entertainment system:

1 Press the *Device Button* that you wish to operate: e.g. to operate a TV, press the TV *Device Button;* to operate a VCR, press the VCR *Device Button,* etc.

2 Aim the remote control at the device and press the *POWER* button to turn on the device.

3 Press the buttons that send out the commands you desire.

**Note: Some** *audiolvideo devices have separate but tons for* ***POWER ON*** *and* ***POWER OFF.*** *To operate these devices on the remote, press the corresponding* ***DEVICE Button*** *to turn the equipment ON and press the* ***POWER*** *button to turn the euipment* ***OFF.***

Please try all the functions of this remote control with your equipment. The most common functions are labeled on the remote. However, some of the secondary functions might be stored under a button that has a different name from the one on your original remote control. Please refer to the Function Tables on pages (5 - 7) for details.

## Device Buttons

Pressing a Device button at the top of the remote performs the following functions:

1. ***Changes the Device mode on the SL-9000 remote control.***
2. ***Sends out a Power ON command for the Device, if applicable.***
3. ***Sends out a preprogrammed or learned Audio receiver/ preamplifier INPUT SELECTION, if applicable.***
4. ***Toggles between the Main Device mode and the Automatic Audio Mode.***

**Note:** *Device buttons can learn new information only in the Audio mode. Please refer to page* ***16*** *for details.*

## Main Device Mode

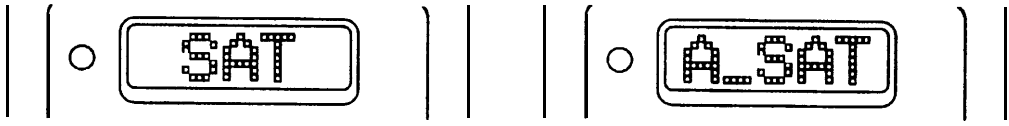
When the main Device mode is displayed in the LCD, the ***SL-9000*** will operate in a standard operating mode and all the buttons will operate the preprogrammed, learned and punch through features for that Device mode.

## Automatic Audio Mode

The ***SL-9000*** is designed to provide convenient and continuous operation of your home theater system's A/V receiver or preamplifier. You can have full and immediate access to your receiver's audio volume and surround controls in seven different device modes of the remote control by pressing the same Device button a second time.

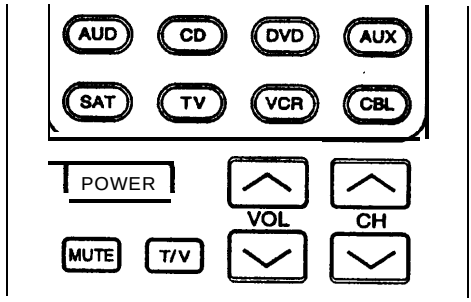
The Automatic Audio Mode enables you to watch a video program or listen to a CD and also adjust audio volume and surround levels in the same Device mode. The LCD will show **A-XXX** indicating that the remote control is in the Automatic Audio mode.

**Example:** Pressing the **SAT** Device button a second time will change the LCD from **SAT** to **A-SAT.**



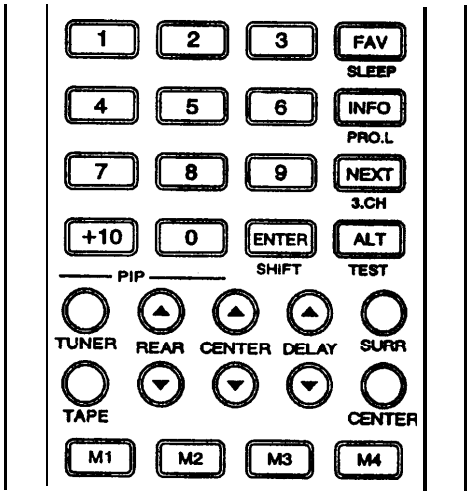

*Main Device Mode* *Automatic Audio Mode*

In the Automatic Audio Mode, you gain control of the receiver or preamplifier volume and surround levels while also maintaining full control of the Channel, Transport and Numeric Keypad of the device in the same mode.




*Device Buttons*

*Volume Buttons*




*Surround Controls*

## Backlighting

All the buttons and the LCD on the SL-9000 are back-lit for 7 seconds when the *LIGHT* button is pressed. The back-light is extended an additional 7 seconds with any button press while the backlight is on.



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**After you set-up the remote control to operate your equipment, you can also program advanced features on the remote control. The advanced features are designed to enhance the use of the remote control with your home entertainment system.**

# At Punch Throughs

## Volume **Control "Punch Through"**

You can program the remote control so that either the *AUDIO or TV Volume Control (VOLUME UP, DOWN AND MUTE)* will also operate in other modes on the remote control.

**Example:** Raise, lower and mute the *VOLUME* of your Audio receiver while the remote control is in the Satellite mode.

**Note:** *When this feature is active, the AUDIO or TV* ***VOLUME*** *and* ***MUTE*** *will override any existing volume controls in that mode.*

### To Set-Up:

1 Select the mode that you wish to program for *Volume Control "Punch Through."*

2 Press the corresponding *Device Button* and the *MUTE* button, simultaneously. SET will appear in the LCD.

3 Press the *VOLUME UP* button. PUNCH will appear in the LCD.

4 Press either the *AUDIO Device Button* to set-up for *Audio Volume Control* or the *TV Device Button* to set-up for *TV Volume Control.* **AUDIO** or **TV** will flash in the LCD, depending on which *Device Button* was selected.

***AUDIO or TV Volume Control*** **will now override the original** ***VOLUME and MUTE*** **in this mode.**



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## To Return to the Original Setting:

1 Select the mode that you want to turn off the *Volume Control "Punch Through."*

2 Press the corresponding *Device Button* and the *MUTE* button, simultaneously. SET will appear in the LCD.

3 Press the *VOLUME UP* button. PUNCH will appear in the LCD.

4 Press the same *Device Button*, again. The DEVICE **Mode** will flash in the LCD.

**The *AUDIO or TV Volume Control "Punch Through"* is now turned off. The *VOLUME* and *MUTE* of the original device will operate on the remote control.**

## Channel Control "Punch Through"

You can program the remote so that either the *VCR or Cable Channel Controls (CHANNEL UP* and *DOWN)* will also operate in other modes on the remote control.

**Example:** Change ***CHANNELS UP and DOWN*** on your cable box while the remote is in the Audio mode.

**Note:** *When this feature is active,* ***VCR or Cable CHANNEL UP and DOWN*** *will override any existing channel controls in that mode.*

## To Set-Up:

1 Select the mode that you wish to program for *Channel Control "Punch Through."*

2 Press the corresponding *Device Button* and the *MUTE* button, simultaneously. SET will appear in the LCD.

3 Press the *VOLUME DOWN* button. PUNCH will appear in the LCD.

**4** Press either the *VCR Device Button* to set-up for *VCR Channel Control* or the *CBL Device Button* to set-up for *Cable Channel Control.* Either VCR or CBL will flash in the LCD, depending on the *Device Button* selected.

***VCR or Cable Channel Controls* will now override the original *CHANNEL UP and DOWN* in this mode.**

## To Return to the Original Setting:

**1** Select the mode that you want to turn off the *Channel Control "Punch Through."*

**2** Press the corresponding *Device Button* and the *MUTE* button, simultaneously. SET will appear in the LCD.

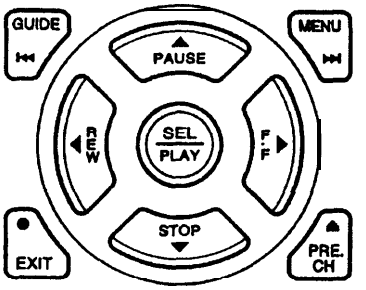
**3** Press the *VOLUME DOWN* button. PUNCH will appear in the LCD.

**4** Press the same *Device Button* again. The DEVICE **Mode** will flash in the LCD.

**The *VCR or Cable Channel Control "Punch Through"* is now turned off. The *CHANNEL UP and DOWN* of the original device will now operate on the remote control.**

## Transport Control "Punch Through"

***You*** can set-up your remote control so that *VCR or CD Transport Controls (PLAY, STOP, FAST FORWARD, REWIND, PAUSE, and RECORD)* will also operate in other modes on the remote control.




*Transport Controls*

**Example:** Control VCR functions while operating the remote control in the *TV* mode.

**Note:** *When this feature is active, the* ***VCR*** or ***CD*** *functions* ***(PLAY, STOP, FAST FORWARD, REWIND, PAUSE, and RECORD)*** *will override any existing functions pre-assigned to these buttons in that mode.*

### To Set-Up:

1 Select the mode into which you want to program *Transport Control "Punch Through."*

2 Press the corresponding *Device Button* and the *MUTE* button, simultaneously. SET will appear in the LCD.

3 Press the *SELECT/PLAY* button. PUNCH will appear in the LCD.

4 Press either the *VCR Device Button* to set-up for VCR *Transport Control* or the *CD Device Button* to set-up for CD *Transport Control.* **VCR** or CD will flash in the LCD, depending on the *Device Button* selected.



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# *Advanced Features*

**The *VCR* or *CD Transport Controls (PLAY, STOP FAST FORWARD, REWIND, PAUSE, and RECORD)* will now override the original functions of the buttons in this mode.**

## To Return to the **Original** Setting:

1 Select the mode that you want to turn off the *Transport Control "Punch Through."*

**2** Press the corresponding *Device Button* and the *MUTE* button, simultaneously. SET will appear in the LCD.

**3** Press the *SELECT/PLAY* button. PUNCH will appear in the LCD.

**4** Press the *Device Button* again. The **Device Mode** will flash in the LCD.

**The *VCR* or *CD Transport Control "Punch Through"* feature is now turned off. The original functions assigned to these buttons are restored.**

## B: Memory Buttons

The buttons labeled *M1, M2, M3, M4, and POWER* are *Memory Buttons.* The Ml-M4 buttons can store your favorite channels, create macro commands, or be used to "relocate" functions from one mode to another.

The POWER button can operate either as a POWER button for a single device or as a memory button, when you program it.

**Note:** *Because the* ***POWER*** *button can also be programmed as a* ***Memory Button,*** *the* ***MUTE*** *button is used to enter* ***POWER*** *commands during* ***Memory Button*** *programming. See* ***Example: Memoy Button*** *Programming,* ***for illustration.***

Each *Memory Button* can send out up to ten commands with one button push. Any function from any mode (except *CHANNEL UP, CHANNEL DOWN and MUTE)* can be programmed into a *Memory Button.* The *Memory Buttons* can be programmed differently in each of the following five modes: AUDIO, SAT, TV, VCR, and CABLE.

- **Favorite Channels:**

*Memory Buttons* can provide direct access to your favorite channels with one button push.

**Example:** In the SAT mode, each of the *Memory Buttons Ml, M2, M3,* and M4 can provide direct access to a different DSS satellite channel by sending out the three digit channel number for that channel with one button push.

# *Advanced* **Features**

- **Macro Commands:**

*Memory Buttons* can store multiple selections including Power On / Off sequences.

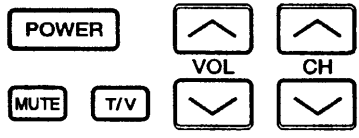
**Example:** In the Audio mode, the *POWER Memoy Button* can be programmed to turn on the TV, turn on the Audio receiver, turn on the VCR and turn on the Satellite receiver with one button push.

- **"Relocating" Functions:**

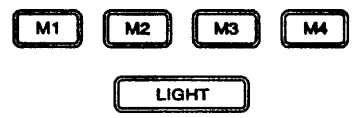
*Memory Buttons* can be programmed to store functions from one mode into other modes.

**Example:** In the *AUDIO* mode, *Memory Buttons* can store various functions from the TV, VCR, and Satellite modes.

*Power Button*




*Memory Bu ttorrs*




*MI -M4 Buttons*

## Programming Memory Buttons:

1 Select the mode that you wish to program the *Memory Button* in by pressing the corresponding *Device Button* (TV, VCR, CBL, SAT, or AUD) and *MUTE* button, simultaneously. SET will appear in the LCD.

2 Press one of the *Memory Buttons* (Ml, M2, M3, M4, or POWER) into which you wish to store the functions. **M(1-5)_#** # will appear in the LCD.

3 Press in up to ten commands that you want stored in that Memory button. Each successive button selection will appear as **M(1-5)__(01-10)** in the LCD.

You can select functions from another mode by first pressing the corresponding *Device Button* and then the buttons where those functions are located within that mode. The selection of a *Device Button* also counts as one command.

**Note:** *Each insertion of a* ***Device Button*** *adds a 1/2 second delay to the command sequence.*

**4** Press the *CHANNEL UP* button to store your selections. **SAVE** will flash three times in the LCD to confirm the programming.

Note: ***It can take up to 10 seconds to send out 10 commands from a memory button.*** *Please continue to point the remote control at the device(s) until all the commands on the Memory Button have been sent out. This will ensure that all the commands are received by the device(s).*

## Example: Memory Button Programming.

To program *Memory Button M2* in the Audio mode to send the following commands: turn on the Audio receiver, turn on the TV, turn on a VCR, and turn on a satellite receiver.

1 Press the Audio *Device Button* and the *MUTE* button, simultaneously. SET will appear in the LCD.

2 Press *Memory Button M2.* **M2_ # #** will appear in the LCD.

3 Press the *MUTE* button (to turn on the Audio receiver)
**M2__01** will appear in the LCD.
Press the TV *Device Button* (to change to the TV mode)
**M2__02** will appear in the LCD.
Press the *MUTE* button (to turn on the TV)
**M2__**03 will appear in the LCD.
Press the VCR *Device Button* (to change to the VCR mode)
**M2__04** will appear in the LCD.
Press the *MUTE* button (to turn on the VCR)
**M2__**05 will appear in the LCD.
Press the SAT *Device Button* (to change to SAT mode)
**M2__**06 will appear in the LCD.
Press the *MUTE* button (to turn on the Satellite receiver)
**M2__07** will appear in the LCD.

4 Press the *CHANNEL UP* button. SAVE will flash in the LCD, and the remote will return to the AUDIO mode.

## Erasing Memory Buttons

1 Select the mode in which you want to erase the *Memory Button.*

2 Press the corresponding *Device Button* and MUTE button, simultaneously. Press the *Memory Button* to be erased. **M(1-5)_#** # will appear in the LCD.

3 Press the *CHANNEL UP* button. SAVE will flash in the LCD. The *Memory Button* is now erased.

Note: *Any previously stored commands on a* ***Memoy Button*** *will be erased when new commands are stored on the same* ***Memoy Button.***



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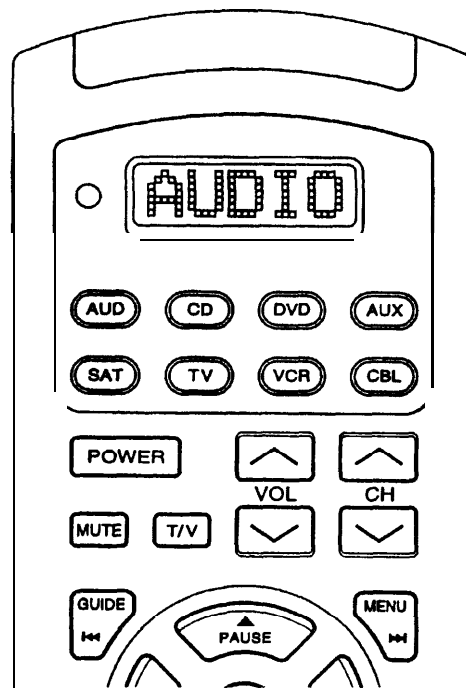
# C. Changing the LCD Display

Four different LCD displays can be selected for each Device mode of the remote control. To select an alternate LCD display, please use the following procedure:

1 Press and hold the Device button for which you would like to change the LCD setting.

2 While pressing the Device button, press and release the MENU button. Each time the MENU button is pressed, the LCD will show one of four displays.

3 Release the Device button when you find the display you wish to assign to the Device mode.




## LCD Displays

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SAT | TV | VCR | CABLE | AUDIO | CD | DVD | AUX |
| VID4 | TV-V3 | V1 | v2 | AUD1 | AUD2 | AUD3 | AUD4 |
| TV2 | VID2 | VIDEO | TV2 | RECVR | DVD | LD | TAPE |
| VCR2 | PROJ | VID3 | VCR2 | AUD2 | SURR | LASER | WEB |

## LCD Displays in the Automatic Audio Mode

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A-SAT | A-TV | A-VCR | A-CAB | AUDIO | A-CD | A-DVD | A-AUX |
| A-V4 | A-TV3 | A-V1 | A-V2 | AUD1 | A-A2 | A-A3 | A-A4 |
| A-TV2 | A-V2 | A-VID | A-TV2 | RECVR | A-DVD | A-LD | A-TPE |
| A-VC2 | A-PRJ | A-V3 | A-VC2 | AUD2 | A-SUR | A-LSR | A-WEB |

## D: Programming a Second TV, VCR, etc. to Other Device Buttons.

This feature is used to program the remote control for two or more TVs, VCRs, etc., or to program a device into a mode with a different *Device Button* name. You can store the three-digit *Set-Up Code* number for any device into any other unused *Device Button.*

**Example:** If your home entertainment system contains two VCRs. First, using the *VCR Device* button, program the remote via standard set-up to operate the first VCR. Then, program your second VCR into a *Device Button* that is not being used, e.g., *AUX* using this method.

1 Turn on the device.

2 On the remote control, press the *Device Button* that you will assign for the device and the *MUTE* button, simultaneously. SET will appear in the LCD.

3 Press the *Device Button* that corresponds to the original device. SET will still appear in the LCD.

4 Locate the *Set-Up Code* number for the device from the tables found on pages (38 - 55).

5 Point the remote toward the device and press in the first *Set-Up Code* number. SET, followed by the *Set-Up Code* number will appear in the LCD.



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Your device will turn off when the correct *Set-Up Code* number has been selected. If it does not turn off, select the next *Set-Up Code* number from the table, and press in that code number. When your device turns off, proceed to Step 6.

6 Press the *Device Button* that was selected in Step 2. to store the *Set-Up Code* number. PASS will flash in the LCD to confirm the programming.

The second device can now be operated by pressing the assigned *Device Button* and using the buttons within this mode.

# Specifications

***Model***
SL-9000, infrared remote control.

Power
Four 1.5 V AAA Batteries.

***Dimensions (h/w/d)***
***8.88 x 2.5 x 1.25*** inches

***Weight***
***6.5 oz.*** (with batteries)

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# Glossary

**Cursor *Control***
Buttons that correspond to the UP, DOWN, LEFT, RIGHT, SELECT, GUIDE, MENU and EXIT functions of your audio / video equipment.

***Device***
Audio or video equipment, e.g. Television, VCR, Cable box, Audio receiver, Satellite receiver, etc.

***Device Button***
Any of the eight buttons located at the top of the remote control labeled AUD, CD, DVD, AUX, SAT, TV, VCR and CBL. *Device Buttons* are used to select modes of operation and to program the remote control.

***Learning***
Transfer of a function from a button of an original remote control to a button on the ***SL-9000*** remote control.

***LCD***
Liquid crystal display window located at the top of the remote control. During normal operation the LCD indicates the mode. The LCD also indicates the remote's programming status.

***Memory Buttons***
Buttons labeled Ml, M2, M3, M4, and POWER. These buttons can be programmed to store Favorite Channels, Macro Commands, or to "relocate" functions from one mode to another.

***Modes***
Modes correspond to *Device Button* selections. Modes are displayed in the LCD as AUDIO, CD, DVD, AUX, SAT, TV, VCR and CABLE. Modes indicate the type of device the remote control is currently operating.

# Glossary

### *Punch Through*

Advanced feature that enables you to operate Volume, Channel or Transport Control functions of one device while in another mode.

**Example:** Audio Volume Control "Punch Through," gives you the ability to raise, lower and mute your Audio receiver volume while operating the remote control in the TV mode.

### *Set-Up Code Number*

The three-digit number that is used to program the remote control for your particular manufacturer or brand of audio/video equipment. *Set-Up* Code numbers are located in tables in the appendix, on pages 38 - 55 of the instruction manual. Set-Up Code numbers are categorized by type of device, e.g. TV, VCR, Audio, CD, DVD, Cable, AUX and Satellite.

More than one Set-Up Code number may work with your device. You should test the functions for each of the *Set-Up Code* numbers that work with your device to determine the best Set-Up Code number for your particular device.

**Note:** *Some devices, such as CD players and DVD Decks that do not have* ***POWER*** *buttons on their original remote controls, may not shut off during programming. For these devices, it may be necessary to first store the* ***Set-Up Code*** *number and then test functions like PLAY, STOP, etc., to determine if the correct* ***Set-Up Code*** *number has been selected.*

### *Transport Control*

Buttons that correspond to the PLAY, STOP, REWIND, FAST FORWARD, PAUSE, SEARCH/SKIP and RECORD functions on your audio / video equipment.

# *Appendix*

## A: Assignment of Audio/Video Equipment

Please use the following listing to locate the correct *Set-Up Code Tables* for your equipment:

AUDIO Set-Up Code Table:
**Audio Receivers, Preamplifiers, Surround Processors**

Satellite Set-Up Code Table:
**DSS, Primestar, DBS, Echostar, C Band receivers**

TV Set-Up Code Table:
**TVs, Monitors, Video/LCD Projectors**

VCR Set-Up Code Table:
**VCRs, TV/VCR combination units**

CABLE Set-Up Code Table:
**Cable Boxes, Internet/TV Set-Tops**

CD Set-Up Code Table:
**CD Players, CD Changers**

DVD Set-Up Code Table:
**DVD Players, Laser Disc**

AUX Set-Up Code Table:
**Cassette Tape Players, DAT systems, MiniDisc, Switchers, Lighting, Home Control Devices, and Line Doublers**

# Set-Up Code Tables

## Audio

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| ADCOM | 082092225161 |
| AIWA | 018104170188202203211213 |
| AKAI | 138 189 |
| AMC | 125 126127128 |
| ANAM | 081 |
| ANGSTROM | 142 |
| ARCAM | 141 |
| AUDIO ACCESS | 147 |
| AUDIO ALCHEMY | 135 |
| AUDIO DESIGN | 011084087088089194221 |
| AUDIO EASE | 021 |
| AUDIO MATRIX | 167 |
| AUDIOFILE | 071 |
| AUDIO TECHNICA | 134 |
| B & K | 096 097 |
| BOSE | 070 170 |
| BRYSTON | 023 |
| CARVER | 006022027028029053061077180185201214226 |
| CASIO | 076 |
| CHIRO | 140 |
| CINEMA SOUND | 034 |
| CITATION | 148 . |
| CLARION | 026 |
| CURTIS MATHES | 076 |
| DENON | 002027034037109215229230234 |
| ELAN | 057 |
| ENLIGHTENED AUDIO | 098 099 |
| FISHER | 029 047 180 214 |
| FOSGATE | 062 231232 |
| GE | 056 |
| GOLDSTAR | 008 |
| HARMAN KARDON | 118 121153 154 231233 254 |
| HITACHI | 020 |
| JC PENNY | 076 |
| JENSEN | 058 |
| JVC | 114 191240 |
| KENWOOD | 026066145146180190192197199222 |
| KRELL | 150 072 |
| KYOCERA | 007 |
| LEXICON | 120 235 236 237 |
| LINN | 124 |



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# Set-Up Code Tables

## Audio

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| LUXMAN | 004 009 052096115137139165 |
| LX1 | 056 076 |
| MAGNAVOX | 086152164208 |
| MARANTZ | 00602803104006318518625 1 |
| MCINTOSH | 238 |
| MCS | 009 076 079 |
| MERIDIAN | 012 013 100 |
| MITSUBISHI | 021204 242 243 |
| MONDIAL | 042043112157158 |
| NAD | 113 186 |
| NAKAMICHI | 111172 183 244 245 |
| NEC | 176 |
| ONKYO | 017046064079080090107108187 |
| OPTIMUS | 026 041138 |
| PANASONIC | 032 177 195 219 |
| PARASOUND | 129 130 132 |
| PHILIPS | 063249250251 |
| PIONEER | 014 033 035 039 044 045 050 069 078 098 116 159 168 |
| PROCEED | 144 |
| RCA | 010048067117156 |
| REALISTIC | 019056073075078095 |
| ROTEL | 074 083 085 |
| **SAMSUNG** | 016 |
| SANSUI | 035 040048110119 |
| SANYO | 047 051059 |
| SCOTT | 019 081091 |
| SEARS | 076 |
| SHARP | 026 094131175181 |
| SHERWOOD | 024 038 051055102103105106 |
| SONY | 015 018047093101160166218223247248 |
| SOUNDESIGN | 036 |
| SOUNDSTREAM | 118 |
| **SSI** | 068 |
| **SUMO** | 171 |
| TEAC | 005 019 049 111212 |
| TECHNICS | 1221761771781932002192 55 |
| THETA DIGITAL | 136 |
| TOSHIBA | 060 |
| WARDS | 051 |
| YAMAHA | 0010260671691732052 53 |
| ZENITH | 143 |



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# Set-Up Code Tables

## Satellite

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| AMPLICA | 050 |
| **BIRDVIEW** | 051113126129 |
| BSR | 053 |
| CAPETRONICS | 053 |
| CHANNEL MASTER | 013 014 015 018 036 055 |
| CHAPARRAL | 008 009 012 077 |
| CITOH | 054 |
| CURTIS MATHES | 050 |
| DRAKE | 005006007010011112116141 |
| DX ANTENNA | 024 046 056 076 |
| **ECHOSTAR** | 038 040 057 058 093 094 095 096 097 098 099 100 122 |
| ELECTROHOME | 089 |
| **EUROSAT** | 114 |
| FUJITSU | 017021022027133134 |
| GENERAL ELECTRIC | 001106 |
| GENERAL INSTRUMENT | 003 004 016 029 031059 101 |
| HITACHI | 139 140 |
| HOME CABLE | 080 044 029 |
| HOUSTON TRACKER | 033037039104057 |
| HUGHES | 068 |
| HYTEK | 053 |
| ICR | 023 |
| JANIEL | 060 |
| JERROLD | 061 |
| KATHREIN | 108 |
| LEGEND | 057 |
| LUXOR | 062 144 |
| MACOM | 010 059 063 064 065 |
| **MEMOREX** | 057 |
| **NEXTWAVE** | 028 |
| **NORSAT** | 069 070 |
| PACE | 143 |
| PANASONIC | 060 142 |
| **PANSAT** | 121 |
| PERSONAL CABLE | 117 |
| PHILIPS | 071 |
| **PICO** | 105 |
| PL | 023 026 |
| PRESIDENT | 019 102 |
| PRIMESTAR | 110 030 |
| **PROSAT** | 072 |



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# Set-Up Code Tables

## Satellite

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| **PROSCAN** | **001106** |
| RCA | 001106 |
| REALISTIC | 043 074 |
| **SAMSUNG** | 123 |
| SATELLITE SERVICE | 028 035 047 085 |
| SCIENTIFIC ATLANTA | 032 138 |
| SONY | 103 |
| **STARCAST** | 041 |
| SUPERGUIDE | 020 |
| TEE COM | 023 026075 087088090 107130137 |
| TOSHIBA | 002 127 |
| TOWN & COUNTRY | 023 026 |
| UNIDEN | 016025042043 044045048049078079080086 101135 136 |
| US ELECTRONICS | 023 |
| **VIEWSTAR** | 115 |
| WINEGARD | 128 146 |
| ZENITH | 081082 083 084 091120 |

# Set-Up Code Tables

## TV

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| ADMIRAL | 072081160161 |
| AKAI | 001146 |
| AMARK | 112 143 |
| AMPRO | 073 167 |
| AMSTRAD | 052 |
| ANAM | 043054056080104112131 |
| AOC | 001004 112 058 |
| BLAUPUNKT | 088 |
| CANDLE | 001002 003 004 |
| CAPEHART | 058 |
| CETRONIC | 043 |
| CITIZEN | 001002 003 004 043 101103 143 |
| CLASSIC | 043 |
| CONCERTO | 004 |
| CONTEC | 043 050 051 |
| CORONADO | 143 |
| CRAIG | 043 054 |
| CROWN | 043 143 |
| CURTIS MATHES | 001101004 143 |
| c x c | 043 |
| DAEWOO | 004 016 017043 044 055 071076103107111114 120123125127143 |
| DAYTRON | 004 143 |
| DWIN | 177 |
| DYNASTY | 043 |
| DYNATECH | 062 |
| EIKI | 187 |
| ELECTROHOME | 024 143 |
| EMERSON | 001004005 028043 047048050051096143151 153 154 155 |
| FISHER | 007 057 |
| FUNAI | 028 043 |
| FUTURETECH | 043 |
| GE | 001008 009 034 056 073 074 130 144 155 160 161 165 004 091 |
| GOLDSTAR | 004 102 106 110 112 113 116 119 127 137 143 |
| HALL MARK | 004 |
| HITACHI | 004 009 010 011012 023 075 143 158 163 166 |
| INFINITY | 164 |
| JBL | 164 |
| JCPENNY | 001004 008 009 024 030 065 101143 156 160 |



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# Set-Up Code Tab/es

## TV

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| JENSEN | 013 |
| JVC | 034038070083145 |
| KEC | 043 |
| KENWOOD | 001070 |
| KLOSS | 002 059 |
| KMC | 143 |
| KTV | 001043 143 154 |
| LODGENET | 072 |
| LOGIK | 072 |
| LUXMAN | 004 |
| LXI | 166007015052081160164 |
| MAGNAVOX | 001003 004 022 059 060 061063 064 127 160 164 094 |
| MARANTZ | 001164 |
| MATSUI | 164 |
| MEMOREX | 007 072 004 |
| METZ | 088 |
| MGA | 001004 024 028 042 |
| MINERVA | 088 |
| MITSUBISHI | 004 024 028 040 042 109 124 146 191 |
| MTC | 001004062101 |
| NAD | 015 025 |
| NEC | 132130134001040016024056019 |
| NIKEI | 043 |
| ONKING | 043 |
| ONWA | 043 |
| OPTONICA | 019 081 |
| PANASONIC | 034056080092164 |
| PHILCO | 001003 024 056 059 060 063 064 164 004 |
| PHILIPS | 001003 004005 038 059093127164 |
| PIONEER | 001018023025116135190 |
| PORTLAND | 004 143 |
| PROSCAN | 144160161165167 |
| PROTON | 004 058131143171173 |
| QUASAR | 034 056 092 |
| RADIO SHACK | 019 043 143 004 127 |
| RCA | 160 161165 065 156 144 001004 023 024 056 074 152 |
| REALISTIC | 007 019 043 047 |
| ROCTEC | 186 |
| RUNCO | 168169178179180181182183 |
| SAMPO | 001058 004 |
| SAMSUNG | 004050089101105127133137143160 |



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# *Set-Up Code* ***Tables***

## TV

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| SANYO | 166007020053057082 |
| SCOTT | 004 028 043 048 143 |
| SEARS | 015030004007028057143094160082165 |
| SHARP | 170081019028029014004022143175 |
| SIEMENS | 088 |
| SIGNATURE | 072 |
| SONY | 070085139147126185 |
| SOUNDESIGN | 004 028 003 043 |
| SPECTRICON | 112 |
| s s s | 004 043 |
| SUPRE MACY | 002 |
| SYLVANIA | 001003059060063064164044160127 |
| TANDY | 081 |
| TATUNG | 056 062 |
| TECHNICS | 034 080 |
| **TECHWOOD** | 004 |
| TEKNIKA | 002003004024028043072101143 |
| TELEFUNKEN | 037046086087 |
| TELERENT | 072 |
| TERA | 172 |
| TMK | 004 |
| TOSHIBA | 007015030040062101138 |
| TOTEVISION | 143 |
| UNIVERSAL | 008 009 |
| VIDEO CONCEPTS | 146 |
| VIDIKRON | 174 184 188 192 |
| VIDTECH | 004 |
| WARDS | 004 008 009 019 028 060 061063 064 072 074 143 164 |
| YAMAHA | 001004 |
| YORK | 004 |
| YUPITERU | 043 |
| ZENITH | 072073095103157 |
| ZONDA | 112 |

# Set-Up Code Tables

## VCR

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| AIWA | 034 |
| AKAI | 016043 046124125142146 |
| **AMPRO** | 072 |
| **ANAM** | 031 |
| AUDIO DYNAMICS | 012 023 039 043 |
| BROOKSONIC | 035 037 129 |
| CANON | 028 031 |
| **CAPEHART** | 108 |
| CRAIG | 003 040 135 |
| CURTIS MATHES | 031041 |
| DAEWOO | 005 007010065108110111112116117119 |
| **DAYTRON** | 108 |
| DBX | 012 023 039 043 |
| DYNATECH | 034 053 |
| ELECTROHOME | 059 |
| EMERSON | 006017025027029031034035036037046101 129131138153 |
| FISHER | 003 008 009 010 |
| FUNAI | 034 |
| GE | 031063072107109144147 |
| GO VIDEO | 132 136 155 |
| **GOLDSTAR** | 012013020101106114123 |
| **HARMAN** KARDON | 012 045 |
| HITACHI | 004018026034043 063137150 |
| INSTANTREPLAY | 031 |
| **JCL** | 031 |
| JCPENNY | 012 013 015 040 066 101 |
| JENSEN | 043 |
| **JVC** | 012 031043 048 050 055 060 130 150 152 |
| **KENWOOD** | 014 048 034 047 |
| LLOYD | 034 |
| LX1 | 003009017034106 |
| **MAGIN** | 040 |
| MAGNAVOX | 031034 041067 068 |
| MARANTZ | 012 031067 069 |
| **MARTA** | 101 |
| MATSUI | 027 030 |
| ME1 | 031 |
| **MEMOREX** | 003 010 014 031034 053 072 101102 134 139 |
| MGA | 045 046 059 |
| MINOLTA | 013 020 |



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# Set-Up Code Tables

## VCR

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| MITSUBISHI | 013 020 045 046 051059 061142 151 |
| MTC | 034 040 |
| MULTITECH | 024 034 |
| NEC | 012 023 039 043 048 |
| NORDMENDE | 043 |
| OPTONICA | 053 054 |
| PANASONIC | 066070083133140145 |
| PENTAX | 013 020 031063 |
| PHILCO | 031034 067 |
| PHILIPS | 031034 054 067 071101 |
| PILOT | 101 |
| PIONEER | 013 021048 |
| PORTLAND | 108 |
| PULSAR | 072 |
| QUARTZ | 002 014 |
| QUASAR | 066 145 |
| RADIO SHACK | 123 |
| RCA | 013020 041107109140144145147034040 |
| REALISTIC | 003008010014031034040053054101 |
| RICO | 058 |
| RUNCO | 148 |
| SALORA | 014 |
| SAMSUNG | 032040102104105107109112113115120122125 |
| SANSUI | 022 043 048 135 |
| SANYO | 003007010014134102 |
| SCOTT | 017037112129131 |
| SEARS | 003 008 009 010 013 014 081101017 |
| SHARP | 031054 149 |
| SHINTOM | 024 |
| SIGNATURE | 034 |
| SONY | 003031052056057058076077078149154 |
| SOUNDESIGN | 034 |
| STS | 013 |
| SYLVANIA | 031034 059 067 |
| SYMPHONIC | 034 |
| TANDY | 010 034 |
| TATUNG | 039 043 |
| TEAC | 034 039 043 |
| TECHNICS | 031070 |
| TEKNIKA | 019 031034 101 |
| THOMAS | 034 |



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# Set-Up Code Tables

## VCR

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| TMK | 006 |
| TOSHIBA | 008013042047059079082112131 |
| TOTEVISION | 040 101 |
| UNITECH | 040 |
| VECTOR RESEARCH | 012 |
| VICTOR | 048 |
| VIDEO CONCEPTS | 012 034 046 141 |
| VIDEOSONIC | 040 |
| WARDS | 003 013 017 024 031034 040 053 054 131 |
| YAMAHA | 012 034 039 043 |
| ZENITH | 034048056058072080101 |

## Cable

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| ABC | 001003004039042046053 |
| AMERICAST | 099 |
| ANTRONIX | 014 |
| ARCHER | 005007014024 |
| CABLE STAR | 026 |
| CENTURION | 092 |
| CENTURY | 007 |
| CITIZEN | 007 |
| COLOUR VOICE | 065 090 |
| COMBANO | 080 081 |
| COMTRONICS | 019 030 |
| DIAMOND | 023 |
| EAGLE | 020 030 040 |
| EASTERN | 057 062 066 |
| ELECTRICORD | 032 |
| GENERAL ELECTRIC | 072 |
| GEMINI | 008 022 025 054 |
| GENERAL INSTRUMENT | 001074 |
| GOLDEN CHANNEL | 030 |
| HAMLIN | 049 050 055 |
| HITACHI | 001055 |
| HOSPITALITY | 070 077 |
| JERROLD | 001002 003 004008009010069074 |
| M-NET | 037 |
| MACOM | 033 |
| MAGNAVOX | 010 012 064 079 094 095 |
| MEMOREX | 052 |
| MOVIE TIME | 028 032 |
| NSC | 015 028038071073 |
| OAK | 016 031037 053 |
| PANASONIC | 044 047 |
| PARAGON | 052 |
| PHILIPS | 006012013020065085090 |
| PIONEER | 001034051063076 |
| POST NEWS WEEK | 016 |
| PRUCER | 059 |
| PTS | 011048 071073 074 |
| PULSAR | 052 |
| RCA | 047 |
| RECOTON | 098 |
| REGAL | 049 050 |



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# Set-Up Code Tables

## Cable

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| REGENCY | 057 |
| REMBRANT | 025 |
| RK | 091 |
| **SAMSUNG** | 030 068 |
| SCIENTIFIC ATLANTA | 003 011041042043 045 046 |
| SHERITECH | 022 |
| SIGNAL | 030 |
| SIGNATURE | 001 |
| SL MARX | 030 |
| SONY | 096 |
| SPRUCER | 047 078 |
| STARCOM | 002004008009 |
| **STARGATE** | 008 030 097 |
| SYLVANIA | 067 |
| **TADIRAN** | 030 |
| TANDY | 017 |
| TELECAPATION | 021 |
| TEXSCAN | 029 067 |
| TOCOM | 039 040 056 |
| TOSHIBA | 052 |
| UNIKA | 007 014 024 |
| UNITED CABLE | 004 053 |
| UNIVERSAL | 005007014024026027032035 |
| **VIEWSTAR** | 012015018086087088089 |
| ZENITH | 052 060 093 |

# Set-Up Code Tables

## CD

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| ADCOM | 062 042 |
| AIWA | 059 065 088089105 122170 187 |
| AKAI | 074 195 202 |
| AMC | 231232 |
| ARCAM | 238 |
| AUDIO ACCESS | 119 147 |
| AUDIO EASE | 165 |
| AUDIOFILE | 229 |
| AUDIO TECHNICA | 046 |
| BSR | 037 057 |
| CALIFORNIA AUDIO | 008 103 |
| CAPETRONIC | 063 |
| CARRERA | 057 080 |
| CARVER | 001041044 050 086 107 130 134 135 138 139 167 203 204 |
| CASIO | 111182 |
| CLARINETTE | 182 |
| CREEK | 159 |
| CROWN | 035 |
| DENON | 002123206207 |
| EMERSON | 042 069 087 102 |
| FISHER | 008050001134 |
| FRABA | 111 |
| FUNAI | 120 |
| GENEXXA | 010 069 102 |
| GOLDSTAR | 080 |
| HAITAI | 093 |
| HARMAN KARDON | 018 033 047 208 |
| HITACHI | 042 175 |
| INKEL | 130 143 144 |
| JC PENNY | 014061092141 |
| JENSEN | 158 |
| JVC | 004 022 136 163 213 214 |
| KENWOOD | 001007 013 023 055 071072 137 142 152 199 |
| KOSS | 061 |
| KRELL | 241 |
| KYOCERA | 005 |
| LOTTE | 102 |
| LUXMAN | 011070 076 162 |
| LX1 | 059 180 |
| MAGNAVOX | 032 044 107 121 |
| MARANTZ | 027 041044 051077 107 209 211 |



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# Set-Up Code Tables

## CD

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| MCINTOSH | 212 |
| MCS | 014 073 092 |
| MEMOREX | 010 |
| MERIDIAN | 094 |
| MGA | 025 |
| MISSION | 044 107 |
| MISUBISHI | 121 |
| MITSUMI | 153 |
| MODULAIRE | 182 |
| MONDIAL | 147 |
| NAD | 006 005 067 122 |
| NAKAMICHI | 095 217 218 219 |
| NEC | 014 062 |
| NIKKO | 046 |
| NSM | 044 107 |
| ONKYO | 030038039168 |
| OPTIMUS | 0100130490500570580810820830850 93 |
| PANASONIC | 008 068 103 113 172 201 |
| PARASOUND | 233 |
| PHILIPS | 032041044107 |
| PIONEER | 010 020 025 056 106 117 121174 175 176 |
| PROCEED | 239 |
| PROTON | 044 107 228 |
| QUASAR | 008 103 |
| RADIO SHACK | 116 120 |
| RCA | 017 021042 150 |
| RCX | 185 |
| REALISTIC | 042049050051102181182187 |
| ROTEL | 044 107 |
| RUNCO | 127 |
| SAE | 044 107 |
| SAMSUNG | 021 |
| SANSUI | 044069107125128171190 |
| SANYO | 050 075 |
| SCOTT | 069 102 |
| SHARP | 013 026 031051066 152 |
| SHERWOOD | 003 019 051096 112 115 119 166 |
| SIGNATURE | 033 |
| SONY | 048053081097110126133164177225226 |
| SOUNDESIGN | 251 |
| SUMO | 155 |



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# Set-Up Code Tables

## CD

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| SYLVANIA | 044 107 |
| SYMPHONIC | 052 181 |
| TAEKWANG | 074 195 |
| TANDY | 010 |
| TEAC | 015034036051052101131140 |
| TECHNICS | 008060068103113172192200 |
| TECHWOOD | 076 |
| THETA DIGITAL | 032 234 235 |
| TOSHIBA | 006067091106148152160 |
| VECTOR RESEARCH | 080 |
| VICTOR | 004 022 114 124 |
| WARDS | 001033 |
| YAMAHA | 012 024 046 054 129 |
| YORX | 182 |

# Set-Up Code Tables

## DVD

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| AIWA | 004 |
| AKAI | 005 |
| CALIFORNIA AUDIO | 008 |
| DAEWOO | 230 |
| **DENON** | 007 206 207 |
| GE | 026 027 |
| **GOLDSTAR** | 057 223 |
| HITACHI | 011 |
| **JVC** | 012 |
| **KENWOOD** | 152 |
| LOTTE | 032 |
| MAGNAVOX | 032 035 |
| MERIDIAN | 035 |
| MITSUBISHI | 017 |
| NAD | 121 |
| ONKYO | 035 |
| OPTIMUS | 049 |
| PANASONIC | 008 021068 113 |
| PHILIPS | 032 035 |
| PIONEER | 023 106 107 |
| **PROSCAN** | 026 |
| REALISTIC | 049 |
| RCA | 002 027 |
| RUNCO | 127 |
| SANYO | 075 |
| **SAMSUNG** | 056 229 |
| SHARP | 120 152 |
| SONY | 033 053 110 |
| TECHNICS | 008 068 113 |
| THETA DIGITAL | 032 235 |
| THOMPSON | 026 027 |
| TOSHIBA | 035 152 |
| YAMAHA | 042 001129 |
| ZENITH | 043 |

# Set-Up Code **Tables**

## AUX

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| 3M | 152 |
| AIWA | 015 071100 114 |
| AKAI | 138 |
| ARCHER | 155 |
| CARVER | 006008027024 |
| **DENON** | 105 227 **229** |
| DMX | 156 |
| DWIN | 157 |
| EXTRON | 151 |
| FISHER | 064 |
| **GOLDSTAR** | 011 |
| **HARMAN** KARDON | 233 |
| **JVC** | 106 116 185 239 240 |
| **KENWOOD** | 00501302302606414514618190 |
| , LINN | 124 |
| LUTRON | 158 159 |
| LUXMAN | 035 137 139 |
| MAGNAVOX | 027 |
| MAKITA | 186 |
| MARANTZ | 014027056065087 |
| MCINTOSH | 238 |
| NAD | 029 048 |
| NAKAMICHI | 025 244 245 |
| NILES | 160 187 |
| NSM | 161 |
| ONKYO | 0020120160170180191 15 |
| OPTIMUS | 026 054 055 138 |
| PANASONIC | 007010032088195 |
| PHILIPS | 027 087 |
| PIONEER | 0030390470500660982 22 |
| POLK AUDIO | 162 |
| QUASAR | 007 088 |
| **S/A** | 163 |
| SANSUI | 027113119224 |
| SHARP | 026057131175181 |
| SHERWOOD | 001004 028 030 033 034 |
| SONY | 020022052084089164165166 |
| TAEKWANG | 138 |
| TEAC | 009 059 212 |



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# Set-Up Code Tables

## AUX

| Manufacturer/Brand | Set-Up Code Number |
|---|---|
| TECHNICS | 007010076088109122193 |
| TOSHIBA | 112 |
| TURBOSCAN | 167 |
| VICTOR | 106 |
| x-10 | 183 |
| XANTECH | 168169170171172188189 |
| YAMAHA | 021026 031067 |